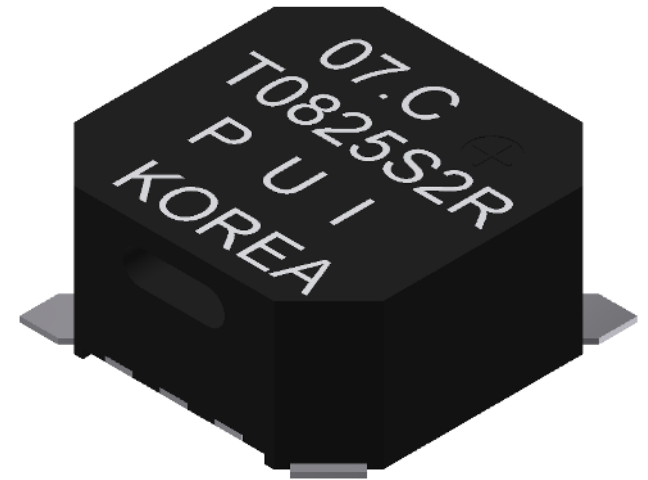


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SMT-0825-S-2-R 8.5 x 8.5mm Transducer

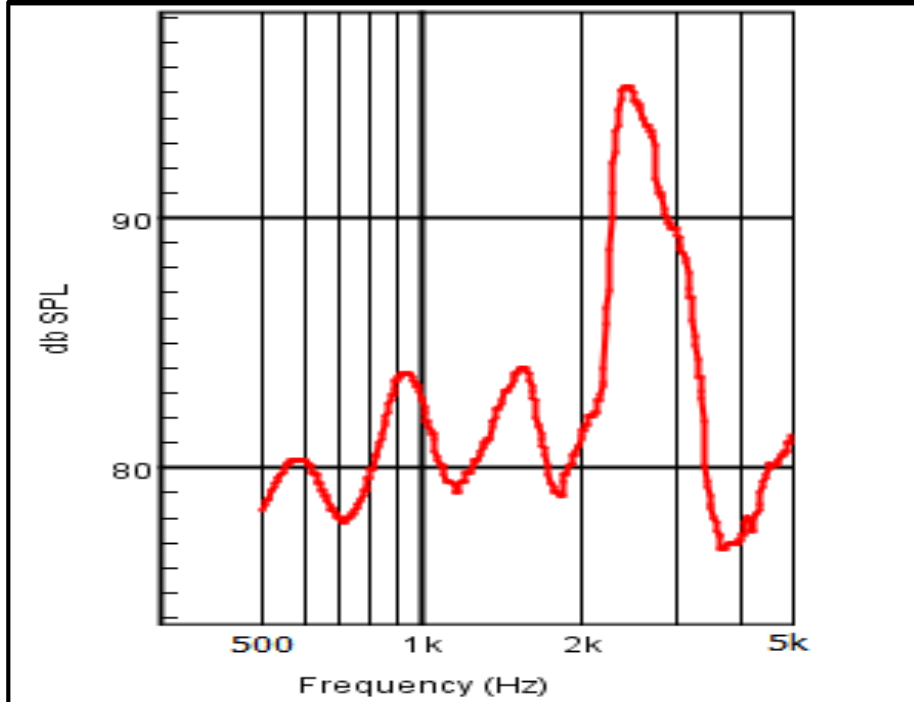


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Product Overview

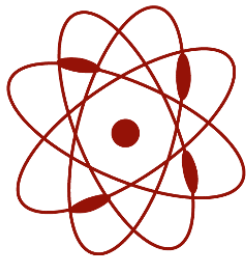
- Side-firing electromechanical transducer designed for 2.5 to 4.5 Vp-p
- Small 8.5 x 8.5mm footprint and 4mm height for thin, modern devices
- 87 dBA minimum output (3.6Vp-p @ 10 cm) and 2.5kHz resonant frequency
- Designed for reflow soldering using a lead-free profile

Frequency Response (3.6 Vp-p @ 0.1 meters)



RoHS Compliant





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SMT-0825-S-2-R

8.5 x 8.5mm

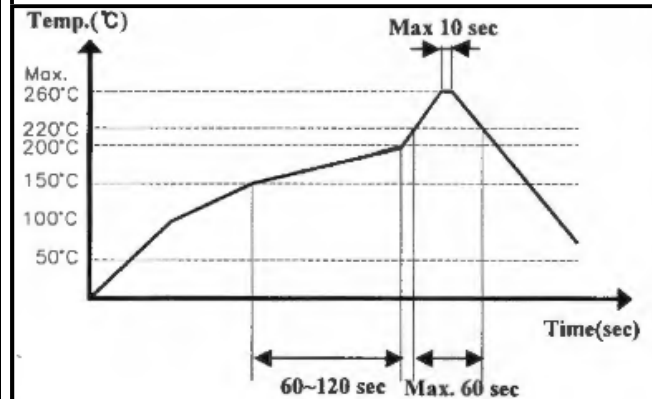
Transducer

Mechanical and Environment Testing

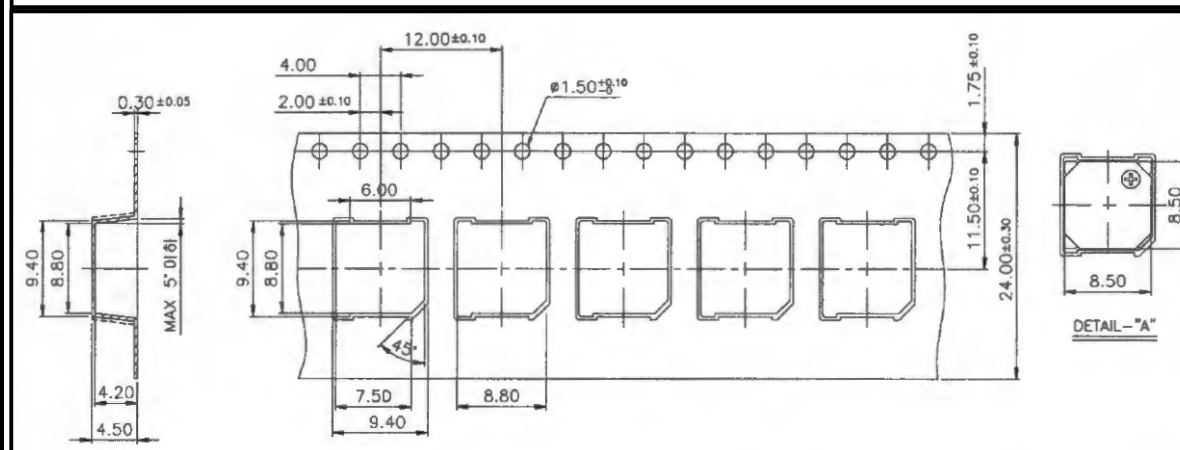
| Test Description | Test Condition |
|------------------------|--|
| High Temperature | 85°C (±2°C) with random humidity for 96 hours |
| Low Temperature | -40°C (±2°C) with random humidity for 96 hours |
| Humidity | 25°C to 60°C with 90% to 95% relative humidity for 12 hours, 10 cycles |
| Vibration | 1.53 mm movement modulated at 10-55 Hz in 3 directions for 6 hours |
| Drop Test | 120 cm free fall in six directions, 3 cycles |
| Temperature Cycle Test | -30°C to 70°C, five 90 minute cycles |

After testing, part shall rest for two hours and then be tested for a clean, pure tone.

Recommended Reflow Profile



Tape Dimensions



Recommended Land Pattern

